Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/25/2022 08:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124723	-1	1.30	124595	1.31
Blue	F	SSC	125000	123267	-2	2.37	123716	2.26
Blue	E	FITC	13602	13274	-3	2.24	372	13.79
Blue	D	PE	24891	24651	-1	1.59	585	10.59
Blue	B	PerCP-Cy5-5	33972	33248	-3	2.96	945	15.17
Blue	A	PE-Cy7	22865	22745	-1	5.00	476	31.00
Red	C	APC	47198	46395	-2	2.60	1601	11.67
Red	A	APC-Cy7	26454	25676	-3	2.99	727	12.35
Violet	B	V450	6737	6359	-6	3.48	442	11.40
Violet	A	V500	29317	28365	-4	3.07	970	8.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24126	2.48	566	31	N/A	N/A	Pass
Blue	F	SSC	55437	1.91	523	2	N/A	N/A	Pass
Blue	E	FITC	56	53.22	491	7	0.0392	53	Pass
Blue	D	PE	114	39.41	494	8	0.3928	313	Pass
Blue	B	PerCP-Cy5-5	150	42.77	588	9	0.0193	99	Pass
Blue	A	PE-Cy7	80	82.07	632	11	0.0218	8	Pass
Red	C	APC	334	25.78	576	4	0.0265	122	Pass
Red	A	APC-Cy7	137	35.42	554	3	0.0064	1585	Pass
Violet	B	V450	75	47.27	446	-4	0.0581	2380	Pass
Violet	A	V500	115	33.89	467	-2	0.0263	1483	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.67	-31.55	1.10
Blue	20.34	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	14.76	13.90 - 20.86	N/A	N/A	29.94	30.11	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 9685

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments